Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	09/04/2015 11:38 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	04/20/2015 11:37 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 51739, Expiration Date: 01/31/2016
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	123511	-2	4.11	123284	4.03
Blue	F	SSC	125000	122986	-2	3.02	123885	2.84
Blue	E	FITC	17998	17362	-4	2.64	979	9.57
Blue	D	PE	23234	22559	-3	2.23	1017	8.86
Blue	B	PerCP-Cy5-5	69571	68221	-2	2.99	1797	14.01
Blue	A	PE-Cy7	77815	76174	-3	4.04	988	27.36
Red	C	APC	65936	64552	-3	2.60	3646	8.31
Red	A	APC-Cy7	100669	99127	-2	2.58	1948	8.19
Violet	B	V450	10405	9759	-7	4.74	604	9.25
Violet	A	V500	47250	45016	-5	4.62	2539	6.79

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19031	22.49	622	43	N/A	N/A	Pass
Blue	F	SSC	61388	1.81	527	38	N/A	N/A	Pass
Blue	E	FITC	106	36.65	541	26	0.0217	90	Pass
Blue	D	PE	211	26.80	534	27	0.1499	164	Pass
Blue	B	PerCP-Cy5-5	217	42.36	622	32	0.0099	14	Pass
Blue	A	PE-Cy7	69	115.03	681	35	0.0124	15	Pass
Red	C	APC	338	27.44	592	14	0.0202	37	Pass
Red	A	APC-Cy7	123	39.71	573	14	0.0045	884	Pass
Violet	B	V450	64	49.42	478	28	0.0434	2696	Pass
Violet	A	V500	165	24.81	519	31	0.0140	767	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.62	47.70 - 71.54	N/A	N/A	-30.92	-30.77	0.69
Blue	20.47	16.35 - 24.53	1.25	1.00 - 1.50	0.00	0.00	1.19
Red	16.41	13.09 - 19.63	N/A	N/A	31.41	31.61	1.10

Window Extension: 7.00
FSC Area Scaling Factor: 0.84

Threshold

Threshold (FSC): 9701

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments